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Model #: SMX3000RT2UTAA

TAA Compliant SmartPro Expandable Rack/Tower UPS - Intelligent, line-interactive network power management system

Highlights

- Federal Trade Agreements Act / TAA Compliant for GSA Schedule purchases
- 3kVA / 3000VA line interactive 2U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 151V and overvoltages to 282V
- USB, RS232, EPO & optional SNMP/Web card are available for simultaneous use
- Detailed status LEDs; 3 switched output load banks
- C20 inlet; 8 C13 & 1 C19 outlets; Includes 3 C13 to C14 cables

Description

Tripp Lite's SMX3000RT2UTAA is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases. This intelligent, line interactive rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 11 minutes half load runtime and 4 minutes at full load. Runtime is expandable with optional BP48V24-2U or BP48V60RT-3U external battery packs. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 151 to 282V. 3000VA/2250 watt power handling capability and full time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes a total of 9 outlets with 3 load banks that are individually switchable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme. Two year warranty.

Package Includes

- SMX3000RT2UTAA UPS System
- PowerAlert software with USB and DB9 cables
- Mounting hardware for 4 post rackmount applications
- Cable for Emergency Power Off interface
- Instruction manual with warranty information

Features

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- SMX3000RT2UTAA line interactive UPS
- 3000VA/2250 watt power handling capability with sine wave output
- Supports 2U rackmount installation in 4 post equipment racks, 2 post rackmount installation requires 2POSTRMKITWM, upright tower installation requires 2-9USTAND accessory
- Large internal batteries support a half load of 1500VA for 11 minutes and a full load of 3000VA for 4 minutes
- Runtime is expandable with the addition of external battery packs (BP48V21-2U - limit 1; or BP48V60RT-3U - multi-pack compatible)
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Maintains regulated 230V nominal output during brownouts and overvoltages from 151 to 282V
- Includes 9 UPS supported outlets arranged in 3 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface
- IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles

- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands
- Offers simultaneous monitoring through included USB and DB9 interface ports, or the monitoring by any number of additional servers over IP
- Emergency Power Off (EPO) interface with cable
- Supports Tripp Lite's WatchDog software application (requires optional WATCHDOGSW)
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- UPS battery set ships fully assembled, no time consuming connection of internal batteries by user is necessary
- Two year warranty

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2250
Output kW capacity	2.2
Output power factor	0.8
Nominal Output Voltage(s) Supported	230V
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	-15%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 C13 outlet(s); 1 C19 outlet(s)
Included output power cables	Includes 3 C13 to C14 output power cables
Built-in controllable switched load banks	Three switchable two-outlet C13 load banks
Output circuit breaker	10A (x2) - each breaker protects 4 C13 outlets, C19 outlet is unbreakered
Basic PDU options	PDUNV (1U / 2 C19, 12 C13 outlets)
Metered PDU options	PDUMV20HV (0U / 6 C19, 32 C13 outlets)
Switched PDU options	PDUMH20HVNET (1U / 8 C13 outlets); PDUMV20HVNET (0U / 4 C19, 24 C13 outlets)
PDU recommendation notes	All noted SWITCHED and METERED PDUs require C19 to C20 input cable (P036-006 or similar)
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	

Nominal Input Voltage(s) Supported	230V AC
UPS input connection type	C20 inlet
UPS input connection description	IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
Input circuit breaker	20A
BATTERY	
Full load runtime (minutes)	4 min. (2250w)
Half load runtime (minutes)	11 min. (1125w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC94-2U
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 151 to 282
Overvoltage correction	Input voltages between 245 and 282 are reduced by 12%
Undervoltage correction	Input voltages between 181 and 199 are boosted by 12%
Severe undervoltage correction	Input voltages between 151 and 180 are boosted by 24%
LEDS ALARMS & SWITCHES	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	480
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included)
Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 19
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 48.3
Installed whole system total rack space height (rack spaces)	2U
Secondary form factor	Tower (requires 2-9USTAND)
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	17.5 x 3.5 x 19
UPS dimensions in secondary form factor (height x width x depth / cm)	44.4 x 8.9 x 48.3
UPS / Power Module weight (lbs)	64
UPS / Power Module weight (kg)	29.1
UPS Shipping dimensions (height x width x depth / inches)	9 x 23.5 x 20
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 59.7 x 50.8
Shipping weight (lbs)	72
Shipping weight (kg)	32.7
UPS housing material	Steel
Cooling method	Fan
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	236.6

Battery mode BTU / hr. (full load)	1245.3
COMMUNICATIONS	
Communications interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions; 1 USB port, 1 DB9 serial and 1 SNMP accessory slot.
PowerAlert software	Included
Communications cable	USB and DB9 and EPO cabling included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	151
High voltage transfer to battery power (setpoint)	282
SPECIAL FEATURES	
Grounding lug	Back panel grounding lug
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
Green & high efficiency features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CE (EU); Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); TAA Compliant
UPS Certification details	CE / IEC 62040
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
External Battery Packs	BP48V24-2U	BP48V242U - External Battery Pack for UPS System	1
External Battery Packs	BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
Power Distribution	PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
Rackmount/Wallmount Kits	2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1

SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
Software	WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1
Surge Protectors	DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
Tower Stands	2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
USB Hubs/Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=4396.

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